

PREVENT STORM WATER CONTAMINATION

Best Management Practices for Glass, Clay, Cement, Concrete & Gypsum Manufacturers

Storing dry bulk materials (including sand, gravel, clay, cement, fly ash, kiln dust and gypsum)

- ✦ Store materials in an enclosed silo or building.
- ✦ Cover material storage piles with a tarp or awning.
- ✦ Divert run-on around storage areas using curbs, dikes, diversion swales or positive drainage away from the storage piles.
- ✦ Only store washed sand and gravel outdoors.

Handling bulk materials (including sand, gravel, clay, cement, fly ash, kiln dust and gypsum)

- ✦ Use dust collection systems (e.g. baghouses) to collect airborne particles generated as a result of handling operations.
- ✦ Remove spilled material and settled dust from paved portions of the facility by shoveling and sweeping on a regular basis.
- ✦ Periodically clean material handling equipment and vehicles to remove accumulated dust and residue.

Mixing operations

- ✦ Use dust collection systems (e.g. baghouse) to collect airborne particles generated as a result of mixing operations.
- ✦ Remove spilled material and settled dust from the mixing area by shoveling and sweeping on a regular basis.
- ✦ Clean exposed mixing equipment after mixing operations are complete.

Vehicle and equipment washing

- ✦ Designate vehicle and equipment wash areas that drain to recycle ponds or process waste water treatment systems.

- ✦ Train employees on proper procedure for washing vehicles and equipment including a discussion of the appropriate location for vehicle washing.
- ✦ Conduct vehicle washing operation indoors or in a covered area.
- ✦ Clean wash water residue from portions of the site that drain to storm water discharges.

Dust collection

- ✦ Maintain dust collection system and baghouse.
- ✦ Properly remove and recycle or dispose of collected dust to minimize exposure of collected dust.

Pouring and curing pre-cast concrete products

- ✦ Pour and cure precast products in a covered area.
- ✦ Clean forms before storing outdoors.

If spills occur:

- ✦ **Stop the source of the spill immediately.**
- ✦ **Contain the liquid until cleanup is complete.**
- ✦ **Deploy oil containment booms if the spill may reach the water.**
- ✦ **Cover the spill with absorbent material.**
- ✦ **Keep the area well ventilated.**
- ✦ **Dispose of clean-up materials properly.**
- ✦ **Do not use emulsifier or dispersant**



City of Phoenix

STREET TRANSPORTATION DEPARTMENT
STORM WATER MANAGEMENT SECTION

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